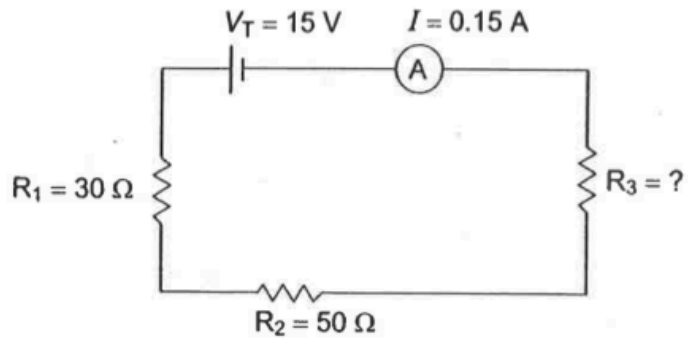


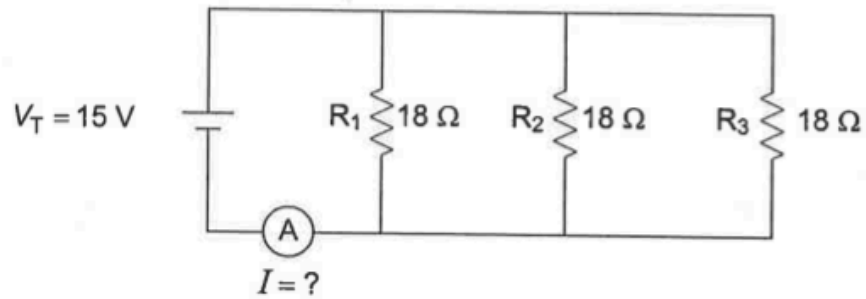
AST Circuits

The following electric circuit consists of a power supply, an ammeter, and three resistors. The voltage difference across the power supply is 15 V, and the ammeter reads 0.15 amps.



What is the value of resistor R_3 ?

The following electric circuit consists of a power supply, a voltmeter, an ammeter, and three identical resistors.



What is the reading on the ammeter?

A circuit consists of a power supply and two light bulbs. Which of the following diagrams shows the correct connection for an ammeter that measures the current flowing through light bulb L_2 ?

